2177588-2 ✓ ACTIVE

Nano MQS
TE Internal #: 2177588-2

Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 20 Position, .071 in [1.8 mm] Centerline, Black, Signal, Nano MQS

View on TE.com >

Connectors > Automotive Connectors > Connector Housings > MQS, CONNECTOR HOUSING

Connector & Housing Type: Housing for Female Terminals

Mating Tab Width: .5 mm [.02 in]

Connector System: Wire-to-Board, Wire-to-Device

Number of Positions: 20

Centerline (Pitch):   1.8 mm [.071 in]

All MQS, CONNECTOR HOUSING (557)

Features

Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	No
Hybrid Connector	No
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180°
Body Material	PBT GF
Primary Product Color	Black
Connector Code	B

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Contact Features

Contact Size	.5mm
Contact Type	Receptacle
Mating Tab Width	.5 mm[.02 in]

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	1.8 mm[.071 in]

Dimensions

Product Width	14.8 mm[.583 in]
Product Length	22.3 mm[.878 in]
Product Height	16.4 mm[.646 in]
Row-to-Row Spacing	5.9 mm[.232 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on TE.com>

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EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach
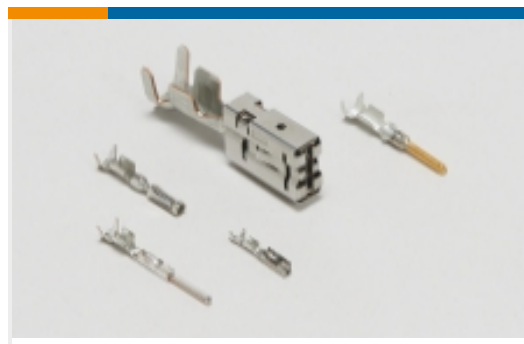
Compatible Parts

TE Part # CAT-M8793-T273
MQS, RECEPTACLE AND TAB

TE Part # CAT-MINH6642
MINIATURIZED HEADER

TE Part # 6-1579028-1
EXTRACTION TOOL

Also in the Series | Nano MQS

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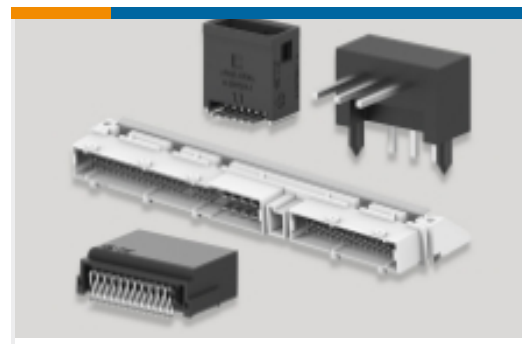
Automotive Housings(53)

Automotive Terminals(7)

Insertion & Extraction Tools(6)

PCB Headers & Receptacles(28)

Customers Also Bought

TE Part #794212-1
22P MINI UMNL2 PLUG HSG UL94V0

TE Part #794202-1
14P MINI UMNL2 PLUG HSG UL94V0

TE Part #794214-1
24P MINI UMNL2 PLUG HSG UL94V0

TE Part #2177367-3
MINIATURIZED HEADER

TE Part #2177586-1
MQS, CONNECTOR HOUSING

TE Part #4769632004
RNF-3000-6/2-3-STK

Documents

Product Drawings

20POS NANO MQS TL PLUG HOUSING, CODE B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2177588-2_G_c-2177588-2-g.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2177588-2_G_c-2177588-2-g.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2177588-2_G_c-2177588-2-g.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

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Datasheets & Catalog Pages

Micro Quadlok Interconnection System (MQS)

English

Product Specifications

Product Specification

English